MALT062HG

Silicon planar type

For ESD protection

■ Features

- Electrostatic discharge ESD: ±30 kV
- Four elements anode-common type

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit	
Total power dissipation *1	P_{D}	150	mW	
Electrostatic discharge *2	ESD	±30	kV	
Junction temperature	T _j	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	

Note) *1: $P_D = 150 \text{ mW}$ achieved with a printed circuit board.

*2: Test method: IEC61000-4-2

 $(C = 150 \text{ pF}, R = 330 \Omega, \text{ Contact discharge: } 10 \text{ times})$

■ Package

Code

SSMini3-F3

- Pin Name
 - 1: Cathode 1
 - 2: Cathode 2
 - 3: Anode 1, 2
- Marking Symbol: 6.2E

■ Internal Connection

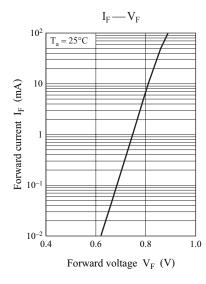


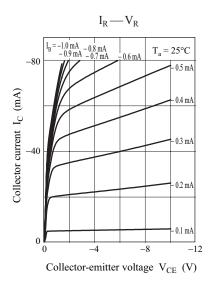
■ Electrical Characteristics $T_a = 25$ °C±3°C

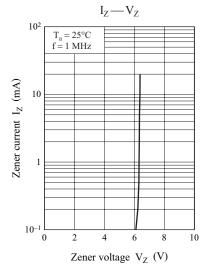
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Breakdown voltage *	V _{BR}	$I_R = 1 \text{ mA}$	5.8	6.2	6.6	V
Reverse current	I_R	$V_R = 4.0 \text{ V}$			1.0	μΑ
Terminal capacitance	C_{t}	$V_R = 0 V, f = 1 MHz$		55		pF

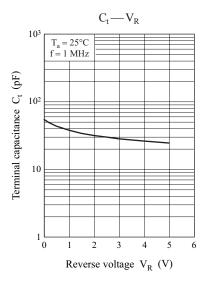
- $Note) \ 1. \ Measuring \ methods \ are \ based \ on \ JAPANESE \ INDUSTRIAL \ STANDARD \ JIS \ C \ 7031 \ measuring \ methods \ for \ diodes.$
 - 2. The temperature must be controlled 25°C for V_{BR} mesurement. V_{BR} value measured at other temperature must be adjusted to V_{BR} (25°C)
 - 3. *: V_{BR} guaranted 20 ms after current flow.

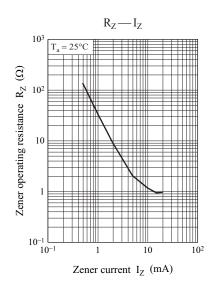
MALT062HG Panasonic







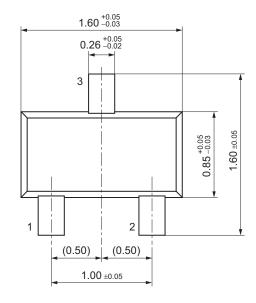


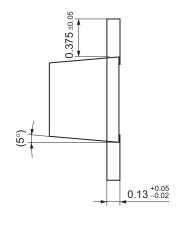


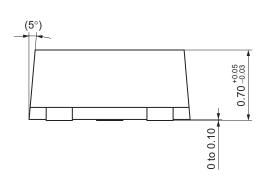
2 SKE00037AED

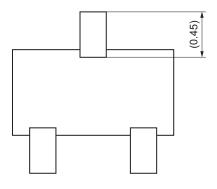
SSMini3-F3

Unit: mm









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